

Contamination & Source Supply Events Underscored the Need for a Better Process

1986 - Fecal coliform at Well 5 from sewer main break during construction activities.

- Well 5 was out of production for 6 months
- Biggest cost was loss of revenue and higher cost of make-up supply water (City had to purchase additional Seattle water)

1996 - Perchloroethylene (a dry cleaning chemical) detected at Wells 1, 2 and 4

- Dry Cleaner A: 500 feet away with 400 ppb in soil on periphery of cone of depression
- City lacked legal framework for performing on-site investigations
- Natural Resource Division lacked funds to pursue a field investigation to locate source
- City lacked local hydrogeologic knowledge sufficient for parcel by parcel discrimination of source

1998 - Near hit on Well 5 by City's own underground storage tank

- BTEX & fuel oil
- Slow leak of diesel & gasoline at a refueling island discovered during the remodel of the facility just 500 ft upstream of Well 5
- Fresh product & derivatives found at time of excavation of underground storage tanks in soil
- These contamination events caused the City to revisit the WHP report and emphasize the vulnerability of the wells to contamination